

Name: _____

at1110paper_practice_test (v6)

1. Factor the expression.

$$x^2 - x - 72$$

2. Solve the equation.

$$(7x + 3)(8x - 5) = 0$$

3. Expand the following expression into standard form.

$$(7x + 8)(2x + 3)$$

4. Expand the following expression into standard form.

$$(7x + 3)(7x - 3)$$

5. Expand the following expression into standard form.

$$(9x + 7)^2$$

6. Solve the equation with factoring by grouping.

$$15x^2 + 18x + 20x + 24 = 0$$

7. Factor the expression.

$$49x^2 - 16$$

8. Solve the equation.

$$10x^2 - 9x - 11 = 3x^2 + 2x - 5$$